INFORMATION REPORT INFORMÁTION REPORT

CENTRAL INTELLIGENCE AGENCY

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COUNTRY	Czechoslovakia	REPORT		25 X 1
SUBJECT	Construction of Dam and Power	DATE DISTR.	8 April 1955	
	Station near Dobsina,	NO. OF PAGES	5	•
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- 1. A dam and power costion project is located about four kilometers north of Dobsina (N 48449, E 20-22), near the village of Dedinky, which will be partially flooded by the newly formed lake. It is close to the Margecany-Cervena Skala-Banska Rystrica railroad.
- 2. In the summer months, the flow of water from the Hnilec River into the main reservoir is very low. When the area is supplied with current by other power stations, the water from the reservoir at the power-station dam is therefore to be pumped back to the main reservoir. It is not known how this is to be done.
- 3. The construction is being carried out by Hydrostav, National Enterprise, Bratislava. The construction was begun sometime in 1949 and was to have been finished sometime in 1952, but has been held up by a shortage of labor. Because of this the sum allowed for the construction has long been spent and new funds have to be granted. At this rate the project will perhaps be finished by 1956, in spite of the fact that work has been largely mechanized. The turbines for the power station have been supplied

Cement is brought from Lietavska Lucka by rail. The origin of the iron material being used is not known. Stone comes from the quarry made by blasting the hillside for the small stretch of railroad line which is being relaid by Vystavba Rudnych Bani (VRB Core Rages Development) in the dam area. Two inspectors from the CSD (Czechoslovak State Railroads) in Kosice are in charge of this construction.

4. About 600 persons are working on construction of the dam, of whom 400 are permanent employees and 200 are brigade workers, such as students who come for one month and employees of other enterprises who come for two or three months. There are about 40 women, most of them in the offices. The majority of the permanent workers are former tradesmen, independent farmers (kulaks), and eraftsmen, who were sent to the construction by the Labor Exchange after being deprived of their property. A 48-hour week is worked, with three shifts.

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Man	agement:	
a.	Slezak (fmu) one of the managers at the construction of the Orava	25) 25)
ъ.	Engineer in charge of mechanizing the construction, Josef Jancek,	25)
c.	Chief of construction of the lower part of the dam, Eng. Vejl (fnu),	25)

Leyout of construction (see attached sketch No. 1):

- 1. Dam, near the hamlet of Dedinky.
- 2. Probable extent of lake, when completely flooded.
- Railroad line, new stretch on a raised embankment.
- 4. Tunnel, for taking water to the power station.
- 5. Auxiliary pumping station at about the middle of the tunnel.
- 6. Building containing turbines and dynamos.
- 7. Switching station
- 8. Small auxiliary dam, through which water drains off into Dobsina brook.
- 9. Channel to drain water from the small dam into the brook.

Description of construction (see sketch No. 2):

- Part of construction not yet completed, where the dam has to be sunk into the bank. So far it has only been dug out, and concreting of the bottom has begun.
- 2. Portion of dem already completed with concrete blocks rising to the full height of the dam.
- 3. Block concreted to only half the height of the dam.
- 4. Building site where foundations are now being prepared for concreting. The whole dam (Nos. 1-4) is about 120 mc long. At the base, it is 10 m. wide, and at the top about 4 m. The height will be about 15 m., and it is to extend about 2 m. above the surface.
- Old railroad line, which will be flooded when the construction is completed.
- 6. New railroad line, now under construction. The new section will be about three kilometers long. The upper surface of the new railroad embankment will have space for a double track. It is about five to six meters above the level of the old one.
- 7. Special embankment for the new railroad line, made of crushed rock, to enable water from the reservoir to seep through. This water will form another small lake on the southwest side of the dam. The whole embankment is about 300 m. long. The water is to seep through about 150 m. Prof. Jalovec, of the Prague Technical Building College, an expert on geological mechanics, was in charge of the construction of this filtering embankment.
- 8. Boundary of the artificial lake.

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8a.	Limit which the water has already reached. The remainder of the water is partly let out through the dam construction sites and partly pumped up by the turbines.	-
9.	Pumping station and arrangements for shutting off the flow into the canal. This is a ferro-concrete construction 10 x 5 m. and 7 m. high, and is the main pumping station which supplies water to the canal leading to the power station. The apparatus is probably of Czech origin.	н В
98.	Canal, really a tunnel through which water is brought from the lake at the dam to the power station, about four kilometers away (surface distance), dismeter about 220 cm. It is not known of what material the walls are made. About half the tunnel runs horizontally, the next part is slightly inclined and the last part drops considerably, so as to speed up the flow of water. The gradients are not known.	
	Power station with two turbines. Number of dynamos not known.	25 X 1
7:1	Building is concrete, 40 x 20 m., 10 m. high.	
11.	Switching station. A concrete building, 30 x 20 m., 10 m. high. Out the south side of the building is a space with pylons.	
12.	Embankment for holding water after it leaves the turbine. About 80 m. long, the base 10 m. wide, and the top 5 m. Height about 15 m.	
13.	Small lake formed by the dam, about 200 m. long and 150 m. wide.	
14.	Canal from the lake to Dobsina brook,	

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15. New road still under construction, on hilly ground. The old road is to be flooded.

16. Railroad bridge over the new road. Iron, about 14 m. long, on concrete bases on the sides of the road.

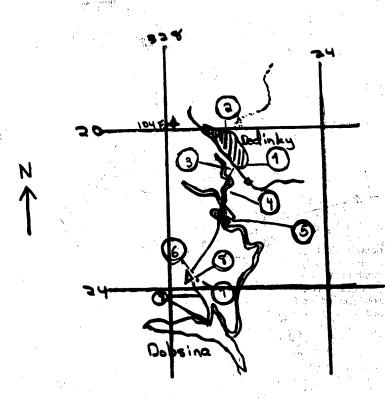
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Sketch No. 1

Dam and Power Station near Dobsins

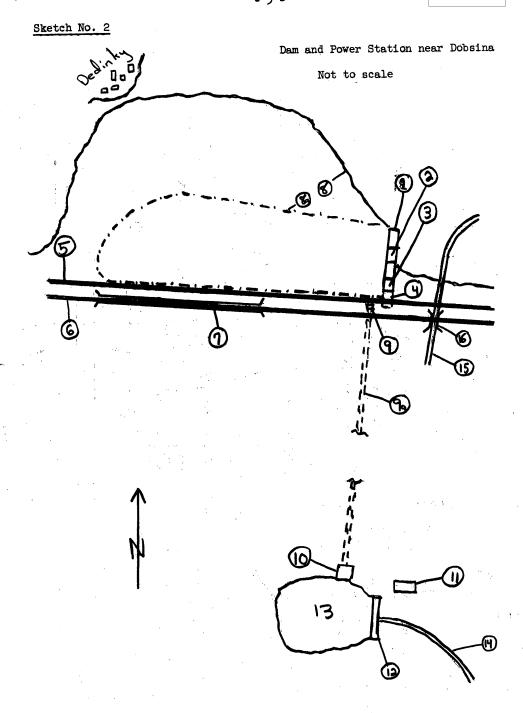
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